09963680

Welcome to STN International! Enter x:x

LOGINID:ssspta1202sxq

PASSWORD:
TERMINAL (ENTER 1, 2, 3, OR ?):2

* * * * * * * * * * Welcome to STN International * * * * * * * * * *

NEWS 1		Web Page URLs for STN Seminar Schedule - N. America
NEWS 2		"Ask CAS" for self-help around the clock
NEWS 3	Jun 03	New e-mail delivery for search results now available
NEWS 4	Aug 08	PHARMAMarketLetter(PHARMAML) - new on STN
NEWS 5	Aug 19	Aquatic Toxicity Information Retrieval (AQUIRE) now available on STN
NEWS 6	Aug 26	Sequence searching in REGISTRY enhanced
NEWS 7	Sep 03	JAPIO has been reloaded and enhanced
NEWS 8	Sep 16	Experimental properties added to the REGISTRY file
NEWS 9	Sep 16	CA Section Thesaurus available in CAPLUS and CA
NEWS 10	Oct 01	CASREACT Enriched with Reactions from 1907 to 1985
NEWS 11	Oct 24	BEILSTEIN adds new search fields
NEWS 12	Oct 24	Nutraceuticals International (NUTRACEUT) now available on STN
NEWS 13	Nov 18	DKILIT has been renamed APOLLIT
NEWS 14	Nov 25	More calculated properties added to REGISTRY
NEWS 15	Dec 04	CSA files on STN
NEWS 16	Dec 17	PCTFULL now covers WP/PCT Applications from 1978 to date
NEWS 17	Dec 17	TOXCENTER enhanced with additional content
NEWS 18	Dec 17	Adis Clinical Trials Insight now available on STN
NEWS 19	Jan 29	Simultaneous left and right truncation added to COMPENDEX, ENERGY, INSPEC
NEWS 20	Feb 13	CANCERLIT is no longer being updated
NEWS 21	Feb 24	METADEX enhancements
NEWS 22	Feb 24	PCTGEN now available on STN
NEWS 23	Feb 24	TEMA now available on STN
NEWS 24	Feb 26	NTIS now allows simultaneous left and right truncation
NEWS 25	Feb 26	PCTFULL now contains images
NEWS 26	Mar 04	SDI PACKAGE for monthly delivery of multifile SDI results
NEWS 27	Mar 20	EVENTLINE will be removed from STN
NEWS 28	Mar 24	PATDPAFULL now available on STN
NEWS 29	Mar 24	Additional information for trade-named substances without structures available in REGISTRY
NEWS 30	Apr 11	Display formats in DGENE enhanced
NEWS 31	Apr 14	MEDLINE Reload
NEWS 32	Apr 17	Polymer searching in REGISTRY enhanced
NEWS 33	Jun 13	Indexing from 1947 to 1956 added to records in CA/CAPLUS
NEWS 34	Apr 21	New current-awareness alert (SDI) frequency in WPIDS/WPINDEX/WPIX
NEWS 35	Apr 28	RDISCLOSURE now available on STN
NEWS 36	May 05	Pharmacokinetic information and systematic chemical names added to PHAR
NEWS 37	May 15	MEDLINE file segment of TOXCENTER reloaded
NEWS 38	May 15	Supporter information for ENCOMPPAT and ENCOMPLIT updated
NEWS 39	May 16	CHEMREACT will be removed from STN

09963680

NEWS 40 May 19 Simultaneous left and right truncation added to WSCA
NEWS 41 May 19 RAPRA enhanced with new search field, simultaneous left and right truncation
NEWS 42 Jun 06 Simultaneous left and right truncation added to CBNB
NEWS 43 Jun 06 PASCAL enhanced with additional data
NEWS 44 Jun 20 2003 edition of the FSTA Thesaurus is now available

NEWS EXPRESS April 4 CURRENT WINDOWS VERSION IS V6.01a, CURRENT MACINTOSH VERSION IS V6.0b(ENG) AND V6.0Jb(JP), AND CURRENT DISCOVER FILE IS DATED 01 APRIL 2003
NEWS HOURS STN Operating Hours Plus Help Desk Availability
NEWS INTER General Internet Information
NEWS LOGIN Welcome Banner and News Items
NEWS PHONE Direct Dial and Telecommunication Network Access to STN
NEWS WWW CAS World Wide Web Site (general information)

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

* * * * * * * * * * * * * STN Columbus * * * * * * * * * * * * * * *

FILE 'HOME' ENTERED AT 15:34:28 ON 20 JUN 2003

=> ile caplus
ILE IS NOT A RECOGNIZED COMMAND
The previous command name entered was not recognized by the system.
For a list of commands available to you in the current file, enter
"HELP COMMANDS" at an arrow prompt (=>).

=> file caplus
COST IN U.S. DOLLARS

	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	0.21	0.21

FILE 'CAPLUS' ENTERED AT 15:34:41 ON 20 JUN 2003
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.

FILE COVERS 1907 - 20 Jun 2003 VOL 138 ISS 26

09963680

FILE LAST UPDATED: 19 Jun 2003 (20030619/ED)

This file contains CAS Registry Numbers for easy and accurate substance identification.

```
=> s 17-methylene steroids
        587388 17
        108691 METHYLENE
        103724 STEROIDS
L1           7 17-METHYLENE STEROIDS
                 (17(W)METHYLENE(W)STEROIDS)

=> s l1 full
        587388 17
        108691 METHYLENE
        103724 STEROIDS
L2           7 17-METHYLENE STEROIDS
                 (17(W)METHYLENE(W)STEROIDS)

=> s 17-methylene steroids full
        587388 17
        108691 METHYLENE
        103724 STEROIDS
L3           7 17-METHYLENE STEROIDS
                 (17(W)METHYLENE(W)STEROIDS)

=> d l2 1-7 ibib hitstr abs
```

Inventor

L2 ANSWER 1 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 2002:184859 CAPLUS
DOCUMENT NUMBER: 136:247741
TITLE: Method for the production of 17-**methylene steroids** and pharmaceutical compositions containing them
INVENTOR(S): Menzenbach, Bernd; Elger, Walter; Droescher, Peter; Hillisch, Alexander; Kaufmann, Guenter; Schweikert, Hans-Udo; Mueller, Gerd
PATENT ASSIGNEE(S): Jenapharm G.m.b.H. & Co. K.-G., Germany
SOURCE: PCT Int. Appl., 28 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: German
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2002019971	A1	20020314	WO 2001-EP9943	20010829
WO 2002019971	C2	20020808		

W: AE, AG, AU, BA, BB, BG, BR, CA, CN, CO, CR, CU, CZ, DM, DZ, EC, EE, GD, GE, HR, HU, ID, IL, IN, IS, JP, KP, KR, LC, LK, LR, LS, MA, MG, MN, MX, NO, NZ, PL, SG, SK, TT, UA, US, UZ, VN, YU, ZA, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG

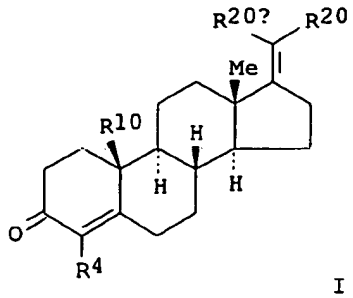
09963680

DE 10043846	A1	20020404	DE 2000-10043846	20000904
AU 2002010470	A5	20020322	AU 2002-10470	20010829
US 2002091112	A1	20020711	US 2002-963680	20020125
NO 2003000989	A	20030502	NO 2003-989	20030303

PRIORITY APPLN. INFO.: DE 2000-10043846 A 20000904
US 2000-243281P P 20001026
WO 2001-EP9943 W 20010829

OTHER SOURCE(S): CASREACT 136:247741; MARPAT 136:247741

GI



I

AB The inventive compds., e.g. I [R4 = halogen, pseudohalogen (CN, N3); R10 = H, straight or branched C1-4-alkyl; R20, R20a = H, straight or branched C1-4-alkyl, hydroxy-C1-4-alkyl or one of R20, R20a = H, straight or branched C1-4-alkyl, hydroxy-C1-4-alkyl and the other is a halogen, pseudohalogen], have an active profile with a hybrid character of such that they act as inhibitors of the 5.alpha.-reductase and, at the same time, as gestagens. Thus, I (R4= R20 = Cl, R10 = H, R20a = H) was prepd. from 17.alpha.-(chloromethyl)-17-hydroxyestr-4-en-3-one via dehydration with SOCl2 in pyridine, regioselective epoxidn. and chlorination/dehydration. Said compds. are thus suited for treating medical disorders that, in men and women, are a result of an increased androgen level in certain organs and tissues. The inventive compds. combined with other hormonal substances such as estrogen, testosterone or a potent androgen are suited as contraceptives for women and men. Thus, I (R4= R20 = Cl, R10 = H, R20a = H) showed IC50 = 250 nM vs. 5.alpha.-reductase.

REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L2 ANSWER 2 OF 7 CAPLUS COPYRIGHT 2003 ACS

ACCESSION NUMBER: 1990:459681 CAPLUS
DOCUMENT NUMBER: 113:59681
TITLE: Steroidal cyclobutanones. I. The synthesis and stereochemistry of steroidal spirocyclobutanones
AUTHOR(S): Paryzek, Zdzislaw; Blaszczyk, Krzysztof
CORPORATE SOURCE: Fac. Chem., Adam Mickiewicz Univ., Poznan, 60-780, Pol.
SOURCE: Liebigs Annalen der Chemie (1990), (7), 665-70
CODEN: LACHDL; ISSN: 0170-2041
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 113:59681

09963680

GI For diagram(s), see printed CA Issue.
AB Cycloaddn. of Cl2C:CO to 3-, 7-, and 17-**methylene steroids** gave spirodichlorocyclobutanones, which were reduced to monochloro- and unsubstituted spirocyclobutanones. Selective cycloaddn. to the exo-double bond was obsd. in the reaction of 3.beta.-acetoxy-17-methylene-5-androstene giving cyclobutanone I (R = Cl) which was reduced to I (R = H). H2O2 oxidn. of I (R = H) gave the lactone II. The stereochem. of the spiro compds. was assigned on the basis of 1H- and 13C-NMR spectra.

L2 ANSWER 3 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1990:56425 CAPLUS
DOCUMENT NUMBER: 112:56425
TITLE: Preparation of 9.alpha.-hydroxy-17-**methylene steroids** as intermediates for corticosteroids
INVENTOR(S): Batist, Jacobus Nicolaas Maria; Marx, Arthur Friedrich
PATENT ASSIGNEE(S): Gist-Brocades N. V., Neth.
SOURCE: Eur. Pat. Appl., 45 pp.
CODEN: EPXXDW
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
EP 336521	A1	19891011	EP 1989-200891	19890407
EP 336521	B1	19920401		
R: AT, BE, CH, DE, ES, FR, GB, GR, IT, LI, LU, NL, SE				
WO 8909781	A1	19891019	WO 1989-NL20	19890407
W: AU, DK, FI, HU, JP, KR, NO, US				
AU 8934313	A1	19891103	AU 1989-34313	19890407
AU 618350	B2	19911219		
HU 55411	A2	19910528	HU 1989-2602	19890407
HU 208437	B	19931028		
JP 03503645	T2	19910815	JP 1989-504593	19890407
AT 74363	E	19920415	AT 1989-200891	19890407
ES 2033516	T3	19930316	ES 1989-200891	19890407
IL 89880	A1	19940624	IL 1989-89880	19890407
CN 1036774	A	19891101	CN 1989-102092	19890408
CN 1032211	B	19960703		
CA 1332409	A1	19941011	CA 1989-596257	19890410
NO 8904898	A	19891206	NO 1989-4898	19891206
DK 9002408	A	19901005	DK 1990-2408	19901005
NO 9004333	A	19901203	NO 1990-4333	19901005
US 5194602	A	19930316	US 1990-474852	19901212
CN 1141301	A	19970129	CN 1995-120256	19951124

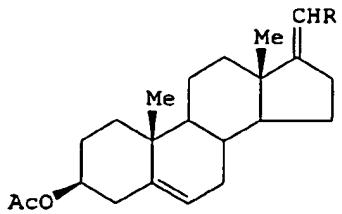
PRIORITY APPLN. INFO.:
EP 1988-200675 19880408
EP 1989-200891 19890407
WO 1989-NL20 19890407

OTHER SOURCE(S): MARPAT 112:56425
GI For diagram(s), see printed CA Issue.
AB The title compds. [I; R1 = H, halo, cyano, isocyano, HCONH, alkoxy; R2 = NO2, Me, alkoxycarbonyl, hydroxymethyl, alkylcarbonyloxymethyl; R3 = H; R4 = H, OH, Me; or R3R4 = CH2; the steroid nucleus may contain double bonds and further substituents; exception being 9.alpha.,21-dihydroxypregna-

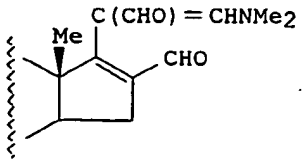
4,17(20)-diene-3,11-dione and its 21-acetate], useful as intermediate for corticosteroid, are prepd. 3,3-(Ethylenedioxy)-9.alpha.-hydroxyandrost-5-en-17-one was refluxed with MeNO2 in H2NCH2CH2NH2 for 24 h to give 3,3-(ethylenedioxy)-17-(nitromethylene)androst-5-en-9.alpha.-ol.

L2 ANSWER 4 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1981:462492 CAPLUS
DOCUMENT NUMBER: 95:62492
TITLE: D-Homo steroids from oxidation of **17-methylene steroids** by thallium(III) nitrate
AUTHOR(S): Forcellese, Maria Luigia; Camerini, Elio; Ruffini, Bruna; Mincione, Enrico
CORPORATE SOURCE: Cent. Stud. Chim. Sostanze Org. Nat., CNR, Italy
SOURCE: Journal of Organic Chemistry (1981), 46(16), 3326-8
CODEN: JOCEAH; ISSN: 0022-3263
DOCUMENT TYPE: Journal
LANGUAGE: English
AB Thallium (III)-nitrate reacts with **17-methylene steroids** to form D-homo-17.alpha.-methoxy-17a-oxo compds. via ring enlargement, enolization, oxythallation, and methanolysis.

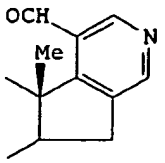
L2 ANSWER 5 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1977:140337 CAPLUS
DOCUMENT NUMBER: 86:140337
TITLE: Single and triple Vilsmeier formylation of **17-methylene steroids**
AUTHOR(S): Dauphin, G.; Planat, D.
CORPORATE SOURCE: Equipe Rech. Assoc. CNRS No. 392, Univ. Clermont, Aubiere, Fr.
SOURCE: Tetrahedron Letters (1976), (45), 4065-8
CODEN: TELEAY; ISSN: 0040-4039
DOCUMENT TYPE: Journal
LANGUAGE: French
GI



I



II



III

09963680

AB The androstene I (R = H) with DMF-POCl3 in the ratios 1:15 and 1:1.5 for 15 and 1 day, resp. gave 50% 20Z-pregnatriene II and 40% 17(20)-E-pregnadiene I (R = CHO), resp. Analogous products were derived from the 5.alpha.-H-5,6-dihydro analog of I(R = H). II and its 5,6-dihydro analog with ethanolic NH3 gave 80-90% pyridoandrostanes III.

L2 ANSWER 6 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1976:165101 CAPLUS
DOCUMENT NUMBER: 84:165101
TITLE: Oxidation of **17-methylene steroids** by thallium(III) and mercury(II) acetates
AUTHOR(S): Ortar, G.; Arpiani, M. P.; Romeo, A.
CORPORATE SOURCE: Cent. Stud. Chim. Farm., Cons. Naz. Ric., Rome, Italy
SOURCE: Steroids (1976), 27(2), 197-203
CODEN: STEDAM; ISSN: 0039-128X
DOCUMENT TYPE: Journal
LANGUAGE: English
AB The reaction of 17-methyleneandrostanes with Tl(OAc)3 in hot AcOH resulted in the formation of a mixt. of allylic compds. Oxymercuration in Me3COH followed by reductive demercuration gave 17-methylene-16.beta.-hydroxyandrostanes as the major products.

L2 ANSWER 7 OF 7 CAPLUS COPYRIGHT 2003 ACS
ACCESSION NUMBER: 1961:144432 CAPLUS
DOCUMENT NUMBER: 55:144432
ORIGINAL REFERENCE NO.: 55:27433f-h
TITLE: 16.alpha.-Monohalomethyl steroids
INVENTOR(S): Kaspar, Emanuel; Wiechert, Rudolf; Schenck, Martin
PATENT ASSIGNEE(S): Schering Akt.-Ges
DOCUMENT TYPE: Patent
LANGUAGE: Unavailable
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
DE 1096903		19610112	DE	
GB 937616			GB	
US 3232961		1966	US	

AB **16,17-Methylene steroids** of the 20-oxopregnane series were treated with a hydrohalide to give the title compds., useful as pharmaceuticals and intermediates in the manuf, of such. Thus, 200 mg. 16,17-methylene-5.alpha.-pregnan-3.beta.-ol-20-one in 20 cc. CH2Cl2 was satd. with gaseous HBr, the mixt. kept 30 min. at room temp., washed, dried, and concd. to give 16.alpha.-bromomethyl-5.alpha.-pregnan-3.beta.-ol-20-one, m. 169 70.degree. (iso-Pr2O), [.alpha.]20D 55.degree.. Similarly were prepd.: 16.alpha.-chloromethyl-5.alpha.-pregnan-3.beta.-ol-20-one, m. 174-5.degree. (hexane), [.alpha.]28D 58.degree.; 16.alpha.-iodomethyl-5.alpha.-pregnan-3.beta.-ol-20-one [3-formate m. 138-9.degree. (iso-Pr2O), [.alpha.]25D 32.5.degree.]; 16.alpha.-iodomethyl-5-pregnan-3.beta.-ol-20-onc [3-formate m. 141-4.degree. (MeOH), [.alpha.]26D 9.1.degree.]; 16.alpha.-chloromethyl-5-pregnen-3.beta.-ol-20-one, m. 184-6.5.degree. (iso-Pr2O).

=> logoff

09963680

ALL L# QUERIES AND ANSWER SETS ARE DELETED AT LOGOFF
LOGOFF? (Y)/N/HOLD:H

COST IN U.S. DOLLARS	SINCE FILE ENTRY	TOTAL SESSION
FULL ESTIMATED COST	33.65	33.86

DISCOUNT AMOUNTS (FOR QUALIFYING ACCOUNTS)	SINCE FILE ENTRY	TOTAL SESSION
CA SUBSCRIBER PRICE	-4.56	-4.56

SESSION WILL BE HELD FOR 60 MINUTES
STN INTERNATIONAL SESSION SUSPENDED AT 15:36:39 ON 20 JUN 2003